

Title (en)  
THERMOPLASTIC RESIN COMPOSITION CONTAINING SILANE-TREATED FOLIATED PHYLLOSILICATE AND METHOD FOR PRODUCING THE SAME

Title (de)  
THERMOPLASTISCHE HARZ-ZUSAMMENSETZUNG ENTHALTEND EIN MIT EINEM SILAN BEHANDELTEN MEHRSCICHTIGEN PHYLLOSILICAT UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
COMPOSITION DE RESINE THERMOPLASTIQUE CONTENANT UN PHYLLOSILICATE FEUILLETE TRAITE AU SILANE, ET PROCEDE DE FABRICATION ASSOCIE

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Application  
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Abstract (en)  
[origin: EP0899308A1] The present invention provides a thermoplastic resin composition containing a thermoplastic resin and a silane-treated foliated phyllosilicate, the silane-treated foliated phyllosilicate being prepared by introducing a predetermined organosilane compound into a swellable layered silicate. According to the present invention, the silane-treated foliated phyllosilicate is prepared by introducing the organosilane compound into the swellable layered silicate after the basal spacing of the swellable layered silicate has been expanded, and is exfoliated as a number of fine layers dispersed uniformly in the thermoplastic resin composition of the present invention independently from one another. Thus, the present invention provides a thermoplastic resin composition excellent in mechanical properties, heat resistance, and the surface appearance of the resultant molded product.

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